70

Bruhat Bangalore Mahanagara Palike

BYTARAYANAPURA DIVISION

Job No: 007-16-000043 26618

Name of Agency :- Benaka Developers and projects Pvt. Ltd

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)						
	Measurements recorded on:						
	Desilt	**Cum**					
	1st cross defence colony						
	LHS 0-30		1	30.00	0.60	0.45	8.10
	30-60		1	30.00	0.60	0.45	8.10
	60-90		1	30.00	0.60	0.45	8.10
	90-120		1	30.00	0.60	0.45	8.10
	120-143		1	23.00	0.60	0.45	6.21
	4th cross Defence colony						
	LHS 0-30		1	30.00	0.60	0.50	9.00
	30-60		1	30.00	0.60	0.50	9.00
	60-90		1	30.00	0.60	0.50	9.00
	90-120		1	30.00	0.60	0.50	9.00
	120-150		1	30.00	0.60	0.50	9.00
	150-180		1	30.00	0.60	0.50	9.00
	180-210		1	30.00	0.60	0.50	9.00
	210-240		1	30.00	0.60	0.50	9.00
	RHS 0-30				0.60		
	30-60		1	30.00	0.60	0.45	8.10
	60-90		1	30.00	0.60	0.50	9.00
	90-120		1	30.00	0.60	0.50	9.00
	120-150		1	30.00	0.60	0.50	9.00
	150-180		1	30.00	0.60	0.50	9.00
	180-210		1	30.00	0.60	0.50	9.00
	210-240		1	30.00	0.60	0.50	9.00
	16th A cross road Sahakara Nagara D-Block						
	RHS 0-30		1	20.00	0.60	0.50	6.00

BYH CONSULTING ENGINEERS Bangalore

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

27/10

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
	16th B cross road Sahakara Nagara D-Block						
	LHS 0-30		1	30.00	0.60	0.45	8.10
	30-60		1	20.00	0.60	0.50	6.00
	RHS 0-30		1	30.00	0.60	0.50	9.00
	30-60		1	30.00	0.60	0.50	9.00
	16th C cross road Sahakara Nagara D-Block						
	LHS 0-30		1	30.00	0.60	0.45	8.10
	30-60		1	30.00	0.60	0.45	8.10
	60-75		1	15.00	0.60	0.45	4.05
	RHS 0-30		1	30.00	0.60	0.45	8.10
	30-60		1	30.00	0.60	0.45	8.10
	60-75		1	15.00	0.60	0.45	4.05
	Over Burden earth						
	1st cross defence colony						
			3	8.00	1.50	0.20	7.20
			5	9.00	1.80	0.30	24.30
			5	7.00	1.50	0.30	15.75
			4	6.00	1.90	0.25	11.40
			5	6.00	1.80	0.25	13.50
	4th cross Defence colony						
			5	8.00	1.50	0.30	18.00
			3	7.00	1.75	0.25	9.19
			4	5.00	1.80	0.30	10.80
			6	9.00	1.80	0.20	19.44
			5	6.00	1.60	0.30	14.40
			6	7.00	1.80	0.25	18.90
					Total Qty Cum		**414.19**

CONSULTING ENGINEERS Bangalore

Consultant

SEETAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

27/10

Assistant Engineer

Assistant Executive Engineer
Yelahanka Zone, B.B.M.P.

72

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)						
	Measurements recorded on:						
	BS Slab Drain	**Sqm**					
	16th A cross road Sahakara Nagara D-Block						
	RHS 0.00 - 30.00 Bottom		1	20.00	0.45		9.00
	RHS 0.00 - 30.00 Sides		2	20.00	0.45		18.00
	16th B cross road Sahakara Nagara D-Block						
	RHS 0.00 - 30.00 Bottom		1	30.00	0.45		13.50
	RHS 0.00 - 30.00 Sides		2	30.00	0.45		27.00
	RHS 30-60 Bottom		1	30.00	0.45		13.50
	RHS 30-60 Sides		2	30.00	0.45		27.00
	LHS 0.00 - 30.00 Bottom		1	30.00	0.45		13.50
	LHS 0.00 - 30.00 Sides		2	30.00	0.45		27.00
	LHS 30.00 - 50.00 Bottom		1	20.00	0.45		9.00
	LHS 30.00 - 50.00 Sides		2	20.00	0.45		18.00
	16th C cross road Sahakara Nagara D-Block						
	RHS 0.00 - 30.00 Bottom		1	30.00	0.45		13.50
	RHS 0.00 - 30.00 Sides		2	30.00	0.45		27.00
	RHS 30-60 Bottom		1	30.00	0.45		13.50
	RHS 30-60 Sides		2	30.00	0.45		27.00
	RHS 60-75 Bottom		1	15.00	0.45		6.75
	RHS 60-75 Sides		2	15.00	0.45		13.50
	LHS 0.00 - 30.00 Bottom		1	20.00	0.45		9.00
	LHS 0.00 - 30.00 Sides		2	20.00	0.45		18.00
	LHS 30.00 - 75.00 Bottom		1	25.00	0.45		11.25
	LHS 30.00 - 75.00 Sides		2	25.00	0.45		22.50
	"BS Cover Slab" 16th A cross road Sahakara Nagara D-Block						
	RHS 0.00 - 30.00		1	20.00	1.20		24.00
	16th B cross road Sahakara Nagara D-Block						
	RHS 0-		1	30.00	1.20		36.00
	30-60		1	30.00	1.20		36.00
	LHS 0-		1	30.00	1.20		36.00
	30-60		1	20.00	1.20		24.00

Consultant

Assistant Engineer 5/11

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
	16th C cross road Sahakara Nagara D-Block						
	LHS 0-		1	20.00	0.90		18.00
	30-75		1	25.00	0.90		22.50
	RHS 0-		1	30.00	0.90		27.00
	30-60		1	30.00	0.90		27.00
	60-75		1	15.00	0.90		13.50
	1st cross Defence Colony						
	LHS 0-		1	30.00	0.90		27.00
	30-60		1	30.00	0.90		27.00
	60-90		1	30.00	0.90		27.00
	90-120		1	30.00	0.90		27.00
	120-143		1	23.00	0.90		20.70
	Missing slabs						
	16th B cross road Sahakara Nagara D-Block						
	LHS 0.00 - 30.00 Bottom		1	9.00	0.45		4.05
	LHS 0.00 - 30.00 Sides		2	6.00	0.45		5.40
	LHS 30.00 - 50.00 Bottom		1	9.00	0.45		4.05
	LHS 30.00 - 50.00 Sides		2	5.00	0.45		4.50
	16th C cross road Sahakara Nagara D-Block						
	RHS 0.00 - 30.00 Bottom		1	8.00	0.45		3.60
	RHS 0.00 - 30.00 Sides		2	6.00	0.45		5.40
	RHS 30-60 Bottom		1	7.00	0.45		3.15
	RHS 30-60 Sides		2	5.00	0.45		4.50
	RHS 60-75 Bottom		1	9.50	0.45		4.28
	LHS 0.00 - 30.00 Bottom		1	7.50	0.45		3.38
	LHS 0.00 - 30.00 Sides		2	9.00	0.45		8.10
	LHS 30.00 - 75.00 Bottom		1	10.00	0.45		4.50
	LHS 30.00 - 75.00 Sides		2	12.00	0.45		10.80
					Total		**795.90**
	Deduct for missing slabs						65.70
					Total Qty Sqm		**730.20**

BVH CONSULTING ENGINEERS Bangalore

Consultant

Assistant Engineer

Assistant Executive Engineer
Yelahanka Zone, B.B.M.P.,
Bangalore.

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)						
	Missing slabs						
	16th B cross road Sahakara Nagara D-Block						
	LHS 0.00 - 30.00 Bottom		1	9.00	0.45		4.05
	LHS 0.00 - 30.00 Sides		2	6.00	0.45		5.40
	LHS 30.00 - 50.00 Bottom		1	9.00	0.45		4.05
	LHS 30.00 - 50.00 Sides		2	5.00	0.45		4.50
	16th C cross road Sahakara Nagara D-Block						
	RHS 0.00 - 30.00 Bottom		1	8.00	0.45		3.60
	RHS 0.00 - 30.00 Sides		2	6.00	0.45		5.40
	RHS 30-60 Bottom		1	7.00	0.45		3.15
	RHS 30-60 Sides		2	5.00	0.45		4.50
	RHS 60-75 Bottom		1	9.50	0.45		4.28
	LHS 0.00 - 30.00 Bottom		1	7.50	0.45		3.38
	LHS 0.00 - 30.00 Sides		2	9.00	0.45		8.10
	LHS 30.00 - 75.00 Bottom		1	10.00	0.45		4.50
	LHS 30.00 - 75.00 Sides		2	12.00	0.45		10.80
					Total Qty Sqm		**65.70**

BVH CONSULTING ENGINEERS Bangalore

Consultant

BENGALURU DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
17	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)						
	Measurements recorded on:						
	16th A cross road sahakar nagara D -Block						
	0-31.60		1	5.00	2.50	0.25	3.13
			1	5.00	2.45	0.25	3.06
			1	7.00	3.00	0.25	5.25
	Bad Reaches						
	8th cross road sahakara nagara						
	In front of Sri Sai Shradda Building Door 182 . 23m		1	23.00	(0.5+0.85+0.5)/3	0.23	3.26
	In front of Srinivas nilaya Building. 33.20m		1	33.20	(0.9+0.5+0.65)/3	0.23	5.22
	Beside Two sisters tiles studio shop. 40m		1	30.00	(0.6+0.85+0.55)/3	0.23	4.60
			1	10.00	(1.0+1.5)/2	0.23	2.88
	6th cross road Balaji Layout Kodigehalli. 38m		1	28.00	(1.0+1.0+0.9)/3	0.23	6.23
			1	10.00	0.90	0.23	2.07
					Total Qty Cum		**35.69**

BVH CONSULTING ENGINEERS Bangalore

Consultant

DEE ENCLAVE DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer 13/11

Assistant Executive Engineer (3/11)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
5	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)						
	Measurements recorded on:						
	16th A cross road sahakar nagara D -Block						
	0-31.60		1	5.00	2.50	0.20	2.50
			1	5.00	2.45	0.20	2.45
			1	7.00	3.00	0.20	4.20
	Bad Reaches						
	8th main road sahakara nagara						
	In front of Sri Sai Shradda Building Door 182 . 23m		1	23.00	(0.5+0.85+0.5)/3	0.20	2.84
	In front of Srinivas nilaya Building. 33.20m		1	33.20	(0.9+0.5+0.65)/3	0.20	4.54
	Beside Two sisters tiles studio shop. 40m		1	30.00	(0.6+0.85+0.55)/3	0.20	4.00
			1	10.00	(1.0+1.5)/2	0.20	2.50
	6th cross road Balaji Layout Kodigehalli. 38m		1	28.00	(1.0+1.0+0.9)/3	0.20	5.41
			1	10.00	0.90	0.20	1.80
					TOTAL QTY Cum		**30.24**

BVH CONSULTING ENGINEERS Bangalore

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
6	KSRRB M500-6. Providing and applying **primer coat with S.S. bitumen emulsion on prepared surface of granular base** such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg /sqm using mechanical means complete as per specifications.As per MORTH Specification No. 502 with all lead and lift loading and unloading and all other incidential charges etc.complete as per specification and direction of the engineer-in-charge of the work						
	Measurements recorded on:						
	Prime Coat	**Sqm**					
	16th A cross road sahakar nagara D -Block						
	0-31.60		1	5.00	2.50		12.50
			1	5.00	2.45		12.25
			1	7.00	3.00		21.00
	Bad Reaches						
	20th cross road sahakara nagara						
	In front of Sri Sai Shradda Building Door 182 . 23m		1	23.00	(0.5+0.85+0.5)/3		14.18
	In front of Srinivas nilaya Building. 33.20m		1	33.20	(0.9+0.5+0.65)/3		22.69
	Beside Two sisters tiles studio shop. 40m		1	30.00	(0.6+0.85+0.55)/3		20.00
			1	10.00	(1.0+1.5)/2		12.50
	6th cross road Balaji Layout Kodigehalli. 38m		1	28.00	(1.0+1.0+0.9)/3		27.07
			1	10.00	0.90		9.00
					Total Qty Sqm		**151.19**

BVH CONSULTING ENGINEERS Bangalore

Consultant

VIKRAM DEVELOPERS AND PROJECTS PVT. LTD.

Assistant Engineer 20/11

Assistant Executive Engineer 20/11

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
11	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)						
	1st cross road Defence Colony						
	0-30		1	30.00	(5.3+6.9+6.9)/3		191.00
	30-60		1	30.00	(6.9+6.7+7.2)/3		208.00
	60-90		1	30.00	(7.2+6.6+5.8)/3		196.00
	90-120		1	30.00	(5.8+6.1+4.5)/3		164.00
	120-135		1	15.00	(4.5+6.2)/2		80.25
	135-147.90		1	12.90	(6.2+7.7)/2		89.66
	4th main road Defence Layout						
	0-30		1	30.00	(14.2+7.8+7.6)/3		296.00
	30-60		1	30.00	(7.6+7.6+7.3)/3		225.00
	60-90		1	30.00	(7.3+7.6+7.5)/3		224.00
	90-120		1	30.00	(7.5+7.5+7.9)/3		229.00
	120-150		1	30.00	(7.9+7.7+7.7)/3		233.00
	150-180		1	30.00	(7.7+7.4+7.2)/3		223.00
	180-210		1	30.00	(7.2+7+6.9)/3		211.00
	210-225		1	15.00	(6.9+7.1)/2		105.00
	225-240.70		1	15.70	(7.1+7.6)/2		115.40
	16th A cross road sahakar nagara D -Block						
	0-31.60		1	31.60	(9.1+5.2+4.6)/3		199.08
	16th B cross road sahakar nagara D -Block						
	0-30		1	30.00	(7.2+5.6+4.6)/3		174.00
	30-61.10		1	31.10	(4.6+5+5.9)/3		160.68

BVH CONSULTING ENGINEERS Bangalore

Consultant

BEMKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Survey, BBMP,
Bangalore.

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
	16th C cross road sahakar nagara D -Block						
	0-30		1	30.00	(8+5.9+5.8)/3		197.00
	30-60		1	30.00	(5.8+5+5.7)/3		165.00
	60-75		1	15.00	(5.7+6)/2		87.75
	Bad Reaches						
	20th cross road sahakara nagara						
	In front of Sri Sai Shradda Building Door 182 . 23m		1	23.00	(3.95+4+3.9)/3		90.85
	In front of Srinivas nilaya Building. 33.20m		1	33.20	(2.7+3.3+3)/3		99.60
	Beside Two sisters tiles studio shop. 40m		1	30.00	(6.6+7.5+7.9)/3		220.00
			1	10.00	(7.9+9)/2		84.50
	6th cross road Balaji Layout Kodigehalli. 38m		1	28.00	(2.1+2.3+2.7)/3		66.27
			1	10.00	4.50		45.00
							4380.03
	Deduct for primer coat						**151.19**
					Total Qty Sqm		**4228.84**

BVH CONSULTING ENGINEERS Bangalore

Consultant

BHAVIKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer 23/11

Assistant Executive Engineer 23/11

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P..

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
7	KSRRB 500-7. Providing and applying **tack coat using 80/100 grade bitumen**(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 with all lead and lift loading and unloading and all other incidential charges etc.complete as per specification and direction of the engineer-in-charge of the work						
	Measurement recorded on:						
	1st cross road Defence Colony						
	0-30		1	30.00	(5.3+6.9+6.9)/3		191.00
	30-60		1	30.00	(6.9+6.7+7.2)/3		208.00
	60-90		1	30.00	(7.2+6.6+5.8)/3		196.00
	90-120		1	30.00	(5.8+6.1+4.5)/3		164.00
	120-135		1	15.00	(4.5+6.2)/2		80.25
	135-147.90		1	12.90	(6.2+7.7)/2		89.66
	4th main road Defence Layout						
	0-30		1	30.00	(14.2+7.8+7.6)/3		296.00
	30-60		1	30.00	(7.6+7.6+7.3)/3		225.00
	60-90		1	30.00	(7.3+7.6+7.5)/3		224.00
	90-120		1	30.00	(7.5+7.5+7.9)/3		229.00
	120-150		1	30.00	(7.9+7.7+7.7)/3		233.00
	150-180		1	30.00	(7.7+7.4+7.2)/3		223.00
	180-210		1	30.00	(7.2+7+6.9)/3		211.00
	210-225		1	15.00	(6.9+7.1)/2		105.00
	225-240.70		1	15.70	(7.1+7.6)/2		115.40
	16th A cross road sahakar nagara D -Block						
	0-31.60		1	31.60	(9.1+5.2+4.6)/3		199.08

BVH CONSULTING ENGINEERS Bangalore

Consultant

Assistant Engineer 23/4

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

(81)

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
	16th B cross road sahakar nagara D -Block						
	0-30		1	30.00	(7.2+5.6+4.6)/3		174.00
	30-61.10		1	31.10	(4.6+5+5.9)/3		160.68
	16th C cross road sahakar nagara D -Block						
	0-30		1	30.00	(8+5.9+5.8)/3		197.00
	30-60		1	30.00	(5.8+5+5.7)/3		165.00
	60-75		1	15.00	(5.7+6)/2		87.75
	Bad Reaches						
	20th cross road sahakara nagara						
	In front of Sri Sai Shradda Building Door 182 . 23m		1	23.00	(3.95+4+3.9)/3		90.85
	In front of Srinivas nilaya Building. 33.20m		1	33.20	(2.7+3.3+3)/3		99.60
	Beside Two sisters tiles studio shop. 40m		1	30.00	(6.6+7.5+7.9)/3		220.00
			1	10.00	(7.9+9)/2		84.50
	6th cross road Balaji Layout Kodigehalli. 38m		1	28.00	(2.1+2.3+2.7)/3		66.27
			1	10.00	4.50		45.00
					Total Qty Sqm		**4380.03**

BVH CONSULTING ENGINEERS Bangalore

Consultant

BEHAM DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

23/11

Assistant Executive Engineer

Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
8	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)						
	Measurement recorded on:						
	Bituminous Concrete	**Cum**					
	1st cross road Defence Colony						
	0-30		1	30.00	(5.3+6.9+6.9)/3	0.04	7.64
	30-60		1	30.00	(6.9+6.7+7.2)/3	0.04	8.32
	60-90		1	30.00	(7.2+6.6+5.8)/3	0.04	7.84
	90-120		1	30.00	(5.8+6.1+4.5)/3	0.04	6.56
	120-135		1	15.00	(4.5+6.2)/2	0.04	3.21
	135-147.90		1	12.90	(6.2+7.7)/2	0.04	3.59
	4th main road Defence Layout						
	0-30		1	30.00	(14.2+7.8+7.6)/3	0.04	11.84
	30-60		1	30.00	(7.6+7.6+7.3)/3	0.04	9.00
	60-90		1	30.00	(7.3+7.6+7.5)/3	0.04	8.96
	90-120		1	30.00	(7.5+7.5+7.9)/3	0.04	9.16
	120-150		1	30.00	(7.9+7.7+7.7)/3	0.04	9.32
	150-180		1	30.00	(7.7+7.4+7.2)/3	0.04	8.92
	180-210		1	30.00	(7.2+7+6.9)/3	0.04	8.44
	210-225		1	15.00	(6.9+7.1)/2	0.04	4.20
	225-240.70		1	15.70	(7.1+7.6)/2	0.04	4.62

BVH CONSULTING ENGINEERS Bangalore

Consultant

BVH DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
	16th A cross road sahakar nagara D -Block						
	0-31.60		1	31.60	(9.1+5.2+4.6)/3	0.04	7.96
	16th B cross road sahakar nagara D -Block						
	0-30		1	30.00	(7.2+5.6+4.6)/3	0.04	6.96
	30-61.10		1	31.10	(4.6+5+5.9)/3	0.04	6.43
	16th C cross road sahakar nagara D -Block						
	0-30		1	30.00	(8+5.9+5.8)/3	0.04	7.88
	30-60		1	30.00	(5.8+5+5.7)/3	0.04	6.60
	60-75		1	15.00	(5.7+6)/2	0.04	3.51
	Bad Reaches						
	8th Main road sahakara nagara						
	In front of Sri Sai Shradda Building Door 182 . 23m		1	23.00	(3.95+4+3.9)/3	0.04	3.63
	In front of Srinivas nilaya Building. 33.20m		1	33.20	(2.7+3.3+3)/3	0.04	3.98
	In front of E K Jony building 40m		1	30.00	(6.6+7.5+7.9)/3	0.04	8.80
			1	10.00	(7.9+9)/2	0.04	3.38
	6th cross road Balaji Layout Kodigehalli. 38m		1	28.00	(2.1+2.3+2.7)/3	0.04	2.65
			1	10.00	4.50	0.04	1.80
					Total Qty Cum		**175.20**

BVH CONSULTING ENGINEERS Bangalore

Consultant

BVH DEVELOPERS AND PROJECTS PVT LTD BANGALORE

23/11

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
9	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)						
	Measurement recorded on:						
	Edge Line						
	1st cross road Defence Colony						
	0-30		2	30.00	0.10		6.00
	30-60		2	30.00	0.10		6.00
	60-90		2	30.00	0.10		6.00
	90-120		2	30.00	0.10		6.00
	120-135		2	15.00	0.10		3.00
	135-147.90		2	12.90	0.10		2.58
	Center Line						
	0-147.9		0.5	147.90	0.10		7.40
	4th main road Defence Layout						
	Edge Line 0-30		2	30.00	0.10		6.00
	30-60		2	30.00	0.10		6.00
	60-90		2	30.00	0.10		6.00
	90-120		2	30.00	0.10		6.00
	120-150		2	30.00	0.10		6.00
	150-180		2	30.00	0.10		6.00
	180-210		2	30.00	0.10		6.00
	210-225		2	15.00	0.10		3.00
	225-240.70		2	15.70	0.10		3.14
	Center Line 0-240.70		0.5	240.70	0.10		12.04
	16th A cross road sahakar nagara D -Block						
	Edge line 0-31.60		2	31.60	0.10		6.32
	Center line		0.5	31.60	0.10		1.58

BVH CONSULTING ENGINEERS Bangalore

Consultant

DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Name of Estimate: Improvements to Roads and Drains in Cross Roads of Dee Enclave Layout in ward No 8 Kodigehalli, Kodigehalli Sub Division

	Description of Work	Unit	No.	L	B	D	Qty
	16th B cross road sahakar nagara D -Block						
	0-30		2	30.00	0.10		6.00
	30-61.10		2	31.10	0.10		6.22
	16th C cross road sahakar nagara D -Block						
	Edge line 0-30		2	30.00	0.10		6.00
	30-60		2	30.00	0.10		6.00
	60-75		2	15.00	0.10		3.00
	Center line		0.5	75.00	0.10		3.75
					Total Qty Sqm		**136.02**

BVH CONSULTING ENGINEERS Bangalore

Consultant

DEEKSHA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Dasarahalli Zone, B.B.M.P
Yelahanka, Bangalore.